

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081325\
 Data File : VN087550.D
 Acq On : 13 Aug 2025 20:46
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 14 04:09:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/14/2025
 Supervised By : Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.212	168	245167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	486338	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	450820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	231987	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	248852	59.821	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 119.640%	
35) Dibromofluoromethane	8.153	113	172277	51.353	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.700%	
50) Toluene-d8	10.547	98	618991	51.726	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.460%	
62) 4-Bromofluorobenzene	12.829	95	241108	54.535	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 109.060%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	155035	59.538	ug/l	95
3) Chloromethane	2.383	50	163833	50.032	ug/l	100
4) Vinyl Chloride	2.542	62	180114	55.348	ug/l	97
5) Bromomethane	2.971	94	90855	53.913	ug/l	97
6) Chloroethane	3.136	64	120415	56.739	ug/l	97
7) Trichlorofluoromethane	3.506	101	267255	55.539	ug/l	97
8) Diethyl Ether	3.965	74	115723	61.996	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	137553	55.685	ug/l	95
10) Methyl Iodide	4.583	142	90476	37.224	ug/l	95
11) Tert butyl alcohol	5.524	59	234452	296.817	ug/l	99
12) 1,1-Dichloroethene	4.336	96	143182	51.151	ug/l	99
13) Acrolein	4.177	56	161547	254.845	ug/l	97
14) Allyl chloride	5.018	41	273914	54.071	ug/l	91
15) Acrylonitrile	5.712	53	590416	275.452	ug/l	98
16) Acetone	4.424	43	546544	280.209	ug/l	99
17) Carbon Disulfide	4.706	76	378807	45.645	ug/l #	94
18) Methyl Acetate	5.024	43	317434	64.777	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	634061	61.454	ug/l	95
20) Methylene Chloride	5.265	84	180699	54.865	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	160090	50.722	ug/l	97
22) Diisopropyl ether	6.665	45	655489	61.686	ug/l	96
23) Vinyl Acetate	6.594	43	2971038	319.688	ug/l	100
24) 1,1-Dichloroethane	6.559	63	337564	55.063	ug/l	97
25) 2-Butanone	7.471	43	871627	289.223	ug/l	98
26) 2,2-Dichloropropane	7.471	77	241511	50.670	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	208085	57.264	ug/l	98
28) Bromochloromethane	7.800	49	169460	57.757	ug/l	92
29) Tetrahydrofuran	7.830	42	570924	291.618	ug/l	99
30) Chloroform	7.953	83	358392	58.406	ug/l	97
31) Cyclohexane	8.241	56	273373	53.454	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	302907	56.994	ug/l	98
36) 1,1-Dichloropropene	8.353	75	228709	51.601	ug/l	98
37) Ethyl Acetate	7.553	43	334699	52.287	ug/l	98
38) Carbon Tetrachloride	8.347	117	238521	48.852	ug/l	93
39) Methylcyclohexane	9.582	83	252032	52.523	ug/l	97
40) Benzene	8.588	78	743439	51.898	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	186675	55.773	ug/l	98
42) 1,2-Dichloroethane	8.653	62	288365	53.083	ug/l	99
43) Isopropyl Acetate	8.677	43	554029	55.755	ug/l	98
44) Trichloroethene	9.335	130	161391	47.681	ug/l	90
45) 1,2-Dichloropropane	9.606	63	194066	53.317	ug/l	94
46) Dibromomethane	9.694	93	142137	52.156	ug/l	95
47) Bromodichloromethane	9.871	83	294731	53.692	ug/l	100
48) Methyl methacrylate	9.665	41	257764	57.621	ug/l	93
49) 1,4-Dioxane	9.682	88	76282	1113.351	ug/l #	99
51) 4-Methyl-2-Pentanone	10.429	43	1748540	278.217	ug/l	97
52) Toluene	10.612	92	461646	53.020	ug/l	95
53) t-1,3-Dichloropropene	10.818	75	299998	54.001	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	308834	53.818	ug/l #	88
55) 1,1,2-Trichloroethane	11.000	97	188410	53.449	ug/l	92
56) Ethyl methacrylate	10.859	69	323701	54.407	ug/l #	91
57) 1,3-Dichloropropane	11.141	76	328207	53.851	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	895877	309.815	ug/l	98
59) 2-Hexanone	11.176	43	1225754	293.966	ug/l	98
60) Dibromochloromethane	11.341	129	207940	51.725	ug/l	99
61) 1,2-Dibromoethane	11.447	107	193407	52.182	ug/l	99
64) Tetrachloroethene	11.082	164	131930	45.470	ug/l	96
65) Chlorobenzene	11.871	112	506144	50.008	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	177174	51.480	ug/l	99
67) Ethyl Benzene	11.947	91	897547	53.868	ug/l	97
68) m/p-Xylenes	12.053	106	664441	106.493	ug/l	92
69) o-Xylene	12.376	106	330454	55.446	ug/l	96
70) Styrene	12.394	104	573909	57.242	ug/l	98
71) Bromoform	12.559	173	134184	48.261	ug/l #	99
73) Isopropylbenzene	12.676	105	842735	57.718	ug/l	97
74) N-amyl acetate	12.500	43	293417	48.368	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.918	83	301616	54.899	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	295250m	56.756	ug/l	
77) Bromobenzene	12.959	156	201556	53.228	ug/l	94
78) n-propylbenzene	13.018	91	1038517	56.533	ug/l	98
79) 2-Chlorotoluene	13.106	91	633431	56.106	ug/l	95
80) 1,3,5-Trimethylbenzene	13.153	105	724306	58.223	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.718	75	94055	49.470	ug/l	93
82) 4-Chlorotoluene	13.200	91	648270	55.152	ug/l	98
83) tert-Butylbenzene	13.418	119	607239	58.444	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	735833	57.921	ug/l	96
85) sec-Butylbenzene	13.594	105	893124	57.067	ug/l	98
86) p-Isopropyltoluene	13.706	119	737348	58.790	ug/l	97
87) 1,3-Dichlorobenzene	13.712	146	385143	51.824	ug/l	99
88) 1,4-Dichlorobenzene	13.794	146	395790	49.865	ug/l	98
89) n-Butylbenzene	14.035	91	718085	59.960	ug/l	99
90) Hexachloroethane	14.312	117	137970	51.920	ug/l	92
91) 1,2-Dichlorobenzene	14.088	146	376258	53.442	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	71749	49.742	ug/l	95
93) 1,2,4-Trichlorobenzene	15.370	180	218738	52.891	ug/l	99
94) Hexachlorobutadiene	15.476	225	77486	50.424	ug/l	98
95) Naphthalene	15.617	128	827674	56.493	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	211626	51.013	ug/l	97

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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